



MARSHALL SPACE FLIGHT CENTER

*Toner
Cartridges*

*Industrial
Drums*

Motor Oil

*Aluminum
Cans*

*Plastic
Bottles*

*Phone
Books*

*White
Paper*

Cardboard

*Scrap
Metal*

*Lead Cell
Batteries*

Recycling & Affirmative Procurement Summary

February 2003



Environmental Excellence Team

The Environmental Excellence Team (EXT) is a cross-functional team of volunteer members:

- *Established in November 2002*
- *Promotes environmental awareness, education, and employee participation*
- *Chaired by an employee of the Environmental Office*
- *Consists of the following committees:*
 - *Recycling*
 - *Earth Day*
 - *Employee Incentives & Awards*
 - *Publicity*
 - *Education*

Awareness



Earth Day 2003

MSFC Theme for Earth Day:

“Let’s Talk Trash”

Activities:

- *Logo contest*
- *A local elementary school to decorate “goodie bags”*
- *Guest speaker and tree planting ceremony*
- *Information displays and giveaway items*
- *Free tree seedlings to all attendees*
- *Educational booths during the month of April to include: geothermal heat pumps, electric cars, biodiesel, etc.*
- *Emphasis on web-based training modules for pollution prevention, recycling, affirmative procurement*
- *Environmental Suggestion Awards*
- *Environmental Office Awards*

Awareness



Awards & Recognition

Environmental Suggestion Awards:

- *Suggestions must save money or benefit the environment*
- *Submitted to the EXT Awards Committee for evaluation*
- *Maximum of 10 awards*
- *Each winner receives \$50 gift certificate to a local nursery*

Environmental Office Awards:

- *Given to personnel that have been proactive in protecting the environment thru waste reduction, chemical substitution, process improvement, etc.*
- *Nominations come from Environmental Office personnel*
- *Maximum of 5 awards*
- *Each winner receives \$100 gift certificate to a local nursery*



Recycling

Recycling Program:

- *Responsibility was transferred from Facilities to Environmental in April 2002*
- *Updated the MSFC web page for recycling*
- *Documented requirements for recycling in the MSFC ISO document for pollution prevention*
- *Currently re-evaluating recycling opportunities and arrangements with vendors*
- *Developing a new Solid Waste Management Plan*
- *Evaluating projects to utilize recycling funds*
- *Posting “awareness posters” on drink machines, showing how recycling funds are used*

Recycling



Affirmative Procurement

Affirmative Procurement

A cross-functional Affirmative Procurement (AP) Team was formed in May 2001. Accomplishments were as follows:

- Invoked participation of major buyers and disciplines*
- Trained the AP Team*
- Trained the Procurement Office*
- Identified items not being purchased with recycled content*
- Identified items that could be purchased with recycled content*
- Identified items that may need immediate waivers*
- Developed a waiver form and process*
- Documented the AP Program under ISO 9000 system*
- Received accolades from the NASA Environmental Functional Review (EFR) in November 2001*



AP Waivers

11 waivers were issued for the following items:

WAIVER	QTY	REASON
<i>Printer paper for graphics groups</i>	<i>8</i>	<i>Product does not meet quality standards</i>
<i>Large, brown mailing envelopes</i>	<i>1</i>	<i>Unreasonable price</i>
<i>Reprocessed latex paint</i>	<i>1</i>	<i>Does not meet quality spec; unavailable within reasonable time frame</i>
<i>Retread tires under 17 in.</i>	<i>1</i>	<i>Unavailable within reasonable time frame</i>

Affirmative Procurement



Affirmative Procurement NETS Data Summary

Fiscal Year	Amount Purchased Containing Recycled Contents (\$)	Total Amount Purchased (\$)	% Compliance
2001	306,078	785,259	39
2002	833,204	1,024,164	81

FY02

- *AP Program officially in place and documented*
- *Increased awareness and participation*
- *More accurate reporting*

FY03

- *Contract changes will improve compliance*
- *Will implement web-based training module*



Affirmative Procurement Web-Based Training

Affirmative Procurement

MSFC
Affirmative
Procurement
On-line
Training
Course

NASA

Welcome to the MSFC Affirmative Procurement On-line Training Course

To learn more about the course, select each title below. When you are ready to begin the course, select the forward button to proceed to the Course Menu.

- [How To Use This Training Course](#)
- [Course Overview and Length](#)
- [Course Objectives](#)
- [Audience](#)



Close the loop. Buy recycled Products



AP Obstacles

AP Obstacles include:

- *Office supplies & toner cartridges: Provided by a “just-in-time” contractor; AP requirements were not specified in the original contract*
- *White paper: (1) Warranties of many printers are voided by use of recycled content paper; (2) Graphics people not satisfied with quality of recycled content paper*
- *Re-refined motor oil & coolant: Most MSFC vehicles are serviced offsite thru a GSA contract; only need small quantities, but can only find bulk supplies*



Sustainability

Sustainability

Conducting a preliminary assessment of sustainability project opportunities at MSFC. Target areas include:

- ***Building systems***
- ***Energy management***
- ***Transportation***
- ***Procurement***
- ***Solid & haz waste***
- ***Air***
- ***Water***
- ***Natural resources***

Planning to present this information at the 2003 Joint Services Pollution Prevention Conference in San Antonio.

Currently working to get all printers & copiers with default set to print/copy double-sided.



Sustainability

Sustainability

Sustainability efforts by the Facilities Engineering Dept:

- *Using the LEED Green Building rating system for all new building designs*
- *On track to build MSFC's first LEED certified building in FY03*
- *Designing a geothermal heat pump system in the new Child Development Center (CDC)*
- *Evaluating the possibility of LEED certification for the new CDC*
- *Installed solar lighting for one parking lot; three more in the works*
- *Working to get LEED training for Facilities and Environmental personnel*



Alternative Fuels

Energy

Biodiesel

- *Should begin using this year (80/20 mix)*
- *Locating a convenient distributor*
- *Examining cost delta (higher price, fuel filter changes)*

Ethanol

- *Transportation & Facilities are studying the cost and requirements for ethanol storage*
- *Ethanol tank will be integrated with the current “tank farm”*



Points of Contact

Questions

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